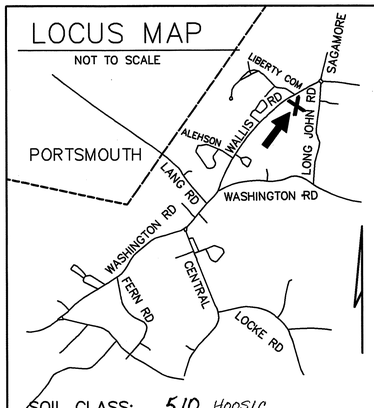
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 510 HOOSIC

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 SET NAIL 6" MAPLE EL 90.40

#2 SET NAIL 10" MAPLE EL 89.51

#3 TOP OF IRON PIN EL 91.15

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 90.5
2. THERE IS/ARE APPROX 1.3 FT ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

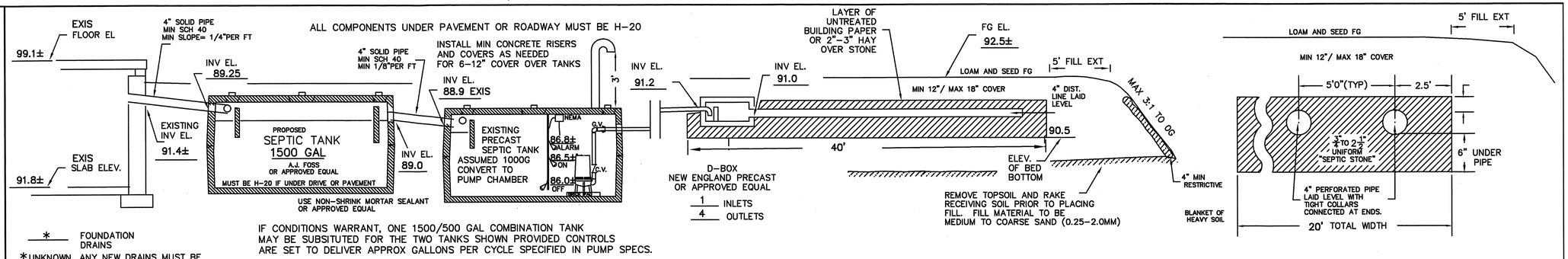
- 50 / (50) — EXISTING CONTOUR / PROPOSED CONTOUR
- 50.0 — EXISTING SPOT ELEVATION
- (50.0) — PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:
   SURVEY PLAN PROVIDED BY OWNER
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT OF RECORD PRE–1967 HOUSE BUILT C. 1939
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. NO SURFACE WATER OR WELL WITHIN 100' OF PROPOSED SYSTEM. NO POORLY DRAINED OR VERY POORLY DRAINED SOILS WITHIN 75' OF PROPOSED SYSTEM.
5. SEPTIC TANK AND PUMP CHAMBER SHOULD BE PUMPED AND INSPECTED AT LEAST EVERY TWO YEARS.

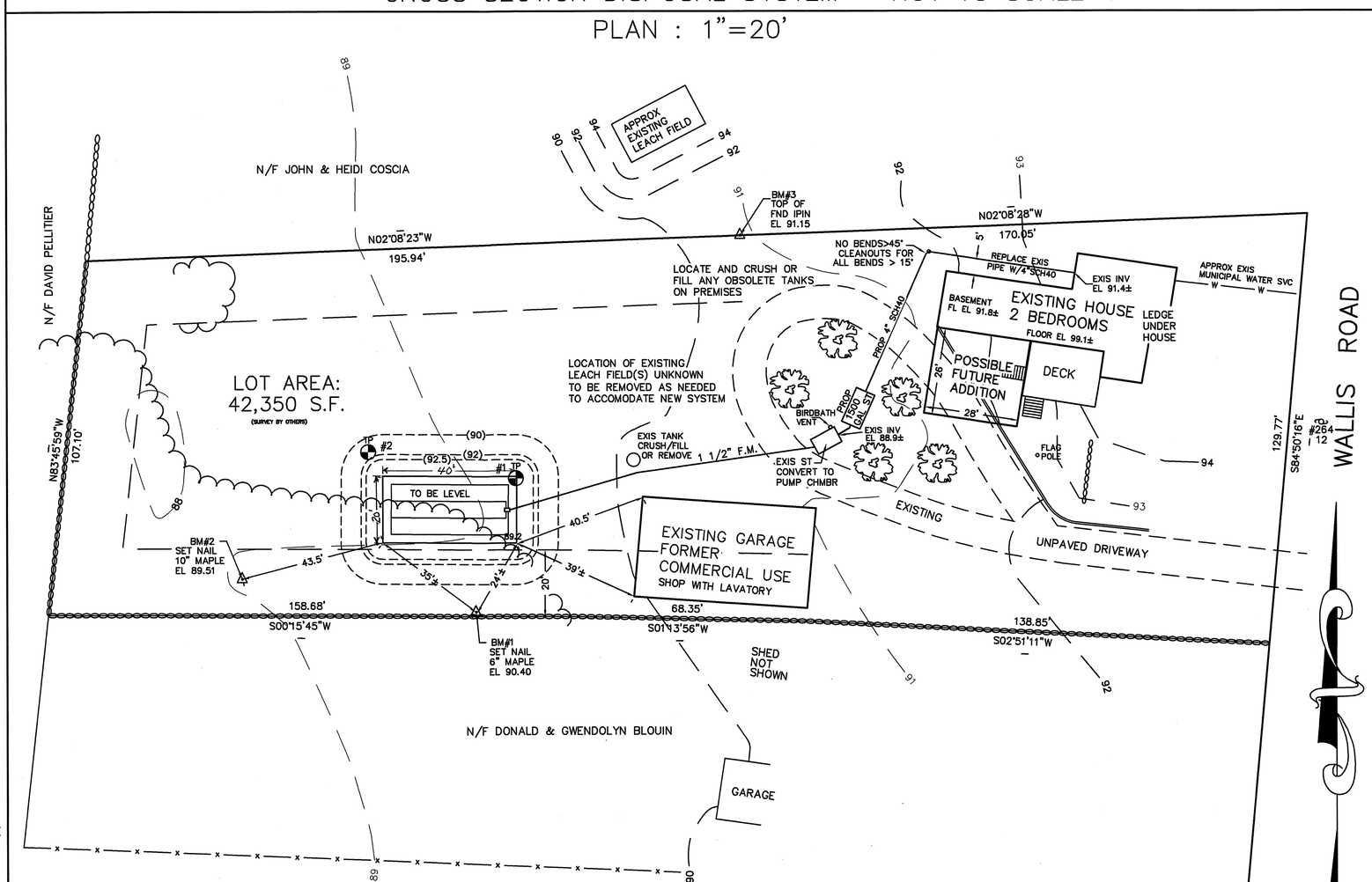
PUMP SPECIFICATIONS

USE 1 PUMP HYDROMATIC SHEF30 M1
115V, 0.3HP, 1 1/2" DISCHARGE
WITH MANUAL FLOAT AND ELECTRICAL CONTROLS AS APPROVED BY DISTRIBUTOR (R.E. PRESCOTT CO. EXETER)
HIGH WATER ALARM WITH BELL & LIGHT TO BE HOUSED AT BUILDING
FLOATS TO BE SET FOR 125 GAL PER CYCLE FOR 4.8 CYCLES PER DAY BASED ON 600 GPD DESIGN LOADING
SPECIFIED PUMP WILL DELIVER 30± GPM @ 10' TDH FOR ESTIMATED 4 MIN RUNNING TIME PER CYCLE.


ALL COMPONENTS UNDER PAVEMENT OR ROADWAY MUST BE H–20
EXIS FLOOR EL
99.1±
4" SOLID PIPE MIN SCH 40 MIN SLOPE= 1/4"PER FT
INV EL. 89.25
EXISTING INV EL. 91.4±
EXIS SLAB ELEV.
91.8±
PROPOSED SEPTIC TANK 1500 GAL A.J. FOSS OR APPROVED EQUAL
MUST BE H–20 IF UNDER DRIVE OR PAVEMENT
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
4" SOLID PIPE MIN SCH 40 MIN 1/8"PER FT
INV EL. 89.0
INSTALL MIN CONCRETE RISERS AND COVERS AS NEEDED FOR 6–12" COVER OVER TANKS
INV EL. 88.9 EXIS
EXISTING PRECAST SEPTIC TANK ASSUMED 1000G CONVERT TO PUMP CHAMBER
NEMA
86.8± ALARM
86.5± ON
86.0± OFF
G.V.
C.V.
INV EL. 91.2
D–BOX NEW ENGLAND PRECAST OR APPROVED EQUAL
1 INLETS
4 OUTLETS
INV EL. 91.0
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
FG EL. 92.5±
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
MAX 3:1 TO OG
90.5
40'
ELEV. OF BED BOTTOM
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
4" MIN RESTRICTIVE
BLANKET OF HEAVY SOIL
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
2" TO 2½" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
20' TOTAL WIDTH
* FOUNDATION DRAINS
*UNKNOWN. ANY NEW DRAINS MUST BE 10' MIN FROM SEPTIC TANK, 25' FROM LEACH FIELD.
IF CONDITIONS WARRANT, ONE 1500/500 GAL COMBINATION TANK MAY BE SUBSITUTED FOR THE TWO TANKS SHOWN PROVIDED CONTROLS ARE SET TO DELIVER APPROX GALLONS PER CYCLE SPECIFIED IN PUMP SPECS.

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'



SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TP TEST PIT DATA

DATE: MAY 24, 2006

TOWN INSPECTOR: RICHARD BOND

TEST PIT #1 EL 89.2

0 –12" 10YR3/4 FINE SANDY LOAM, GRAN FRIABLE (REMOVE)
12–26" 10YR4/6 GRAVELLY FINE SANDY LOAM, GRANULAR FRIABLE
26–72" 10YR4/4 GRAVELLY COARSE SAND, SINGLE GRAIN, LOOSE MORE COBBLY W/ DEPTH

ESHWT@32", OBSERVED WATER @ 32", ROOTS TO 3'+, (HEAVY ANTECEDENT RAINFALL)

TEST PIT #2 EL 88.7

0 –10" 10YR3/4 FINE SANDY LOAM, GRAN FRIABLE (REMOVE)
10–26" 7.5Y4/4 GRAVELLY FINE SANDY LOAM, GRANULAR FRIABLE
26–72" 10YR4/4 GRAVELLY COARSE SAND, SINGLE GRAIN, LOOSE MORE COBBLY W/ DEPTH

ESHWT @ 32", OBS WATER @ 32", ROOTS TO 32"+ (HEAVY ANTECEDENT RAINFALL)

PT PERC TEST DATA

DATE MAY 24, 2006

PERC RATE: < 2 MIN/INCH DEPTH: 24"

DESIGN LOADING: 4 BEDROOMS

AREA REQUIRED: 750 SF REQUIRED

AREA PROPOSED: 20' X 40' = 800 SF PROVIDED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

LOCUS: 432 WALLIS ROAD
RYE, NH

OWNER: CAROL ANN NOONEY
PO BOX 670
GREENLAND, NH 03840–0670

NEW HAMPSHIRE Designer of Subsurface Disposal Systems * * * Ann M. Bialobrzeski No. 348 Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306

DATE: JULY 17, 2006

APPROVAL: CAZD06082699